

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
501062.01APPLICATION NO.  
09/974,958

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S)

Vernon M. Williams et al.

FILING DATE

October 10, 2001

GROUP ART UNIT

1732 / 722

## U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	3,659,821	05/02/72	Sakamoto et al.	249	84	
AB	3,911,075	10/07/75	Boesch et al.	264	329	
AC	3,969,461	07/13/76	Boesch et al.	264	163	
AD	4,653,993	03/31/87	Boschman	425	116	
AE	4,862,586	09/05/89	Osada	29	827	
AF	5,071,612	12/10/91	Obara	264	161	
AG	5,431,854	07/11/95	Pas	264	328.5	
AH	5,542,171	08/06/96	Juskey et al.	29	840	
AI	5,961,912	10/05/99	Huang et al.	264	272.15	
AJ	6,319,450 B1	11/20/01	Chua et al.	264	272.17	
AK	6,468,361 B1	10/22/02	Cantillep	134	18	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
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## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

DATE CONSIDERED

4/3/06

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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09/974,958**RECEIVED****INFORMATION DISCLOSURE STATEMENT**

MAY 14 2003

(Use several sheets if necessary)

APPLICANT(S)  
Vernon M. Williams et al.

MAY 30 2003

FILING DATE  
October 10, 2001GROUP ART UNIT  
2516 / 722

TC 1700

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JS</i>	AA	4,132,856	1/2/79	Hutchison et al.	174	<del>52-2</del> <del>52-PE</del>	—
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TC 1700**FOREIGN PATENT DOCUMENTS**

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<b>INFORMATION DISCLOSURE STATEMENT</b> <i>(Use several sheets if necessary)</i>				APPLICANT(S) Vernon M. Williams et al.			
				FILING DATE October 10, 2001		GROUP ART UNIT 1732-1722	

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 OCT 18 2004  
 U.S. PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
JP	AA	4,504,435	03/12/85	Orcutt	264	272.17	—
JP	AB	4,984,064	01/08/91	Toshio et al.	357-257	80-721	—
JP	AC	6,106,259	08/22/00	Lee et al.	425	116	—
JP	AD	6,194,777 B1	02/27/01	Abbott et al.	257	666	—
JP	AE	6,309,916 B1	10/30/01	Crowley et al.	438	127	—
JP	AF	6,528,000 B2	03/04/03	Yoshiike	264	272.17	—
	AG						
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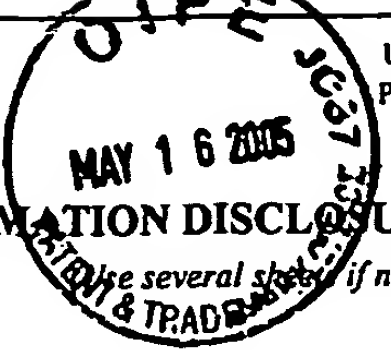
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FOREIGN PATENT DOCUMENTS								
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION			
					YES	NO		
AL	04324668 A	11/13/92	JP (English Abstract)	—	—	X		
AM	08222676 A	08/30/96	JP (English Abstract)	—	—	X		
AN	08264708 A	10/11/96	JP (English Abstract)	—	—	X		
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## U.S. PATENT DOCUMENTS

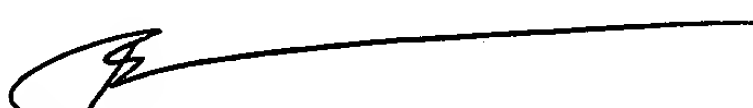
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							YES	NO
	AL	64-013749	01/18/89	JP (English Abstract)			X	
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